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OM protein - protein search, using sw model

                        GenCore version 5.1.3
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Run on:              December 19, 2002, 14:54:32 ; Search time 146 seconds
                                                   (without alignments)
                                                   2508.277 Million cell updates/sec

Title:               US-08-813-323B-2
Perfect score:       3008
Sequence:            1 MESSKKMDSPGALQTNPPLK..............IKDDTIFIKVIVDTISDLPDP 568

Scoring table:       BLOSUM62
                     Gapop 10.0 , Gapext 0.5
Searched:            4569144 seqs, 644733110 residues

Total number of hits satisfying chosen parameters:     4569144

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 45 summaries

Database :       Pending_Patents_AA_Main:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	DB ID	Description
1	308	100.0	568	12	US-08-813-323A-2	Sequence 2, Appl1
2	308	100.0	568	12	US-08-813-323B-2	Sequence 2, Appl1
3	308	100.0	568	21	US-09-791-537-42127	Sequence 42127, A
4	308	100.0	568	25	US-10-116-275-173	Sequence 173, App
5	302	99.8	568	1	PCT-US02-17382-131	Sequence 131, App
6	302	99.8	568	7	US-08-367-540A-7	Sequence 7, Appl1

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 7   3002   99.8   568   7    US-08-367-540B-7           Sequence 7, Appl1
 8   3002   99.8   568   7    US-08-367-540C-7           Sequence 7, Appl1
 9   3002   99.8   568   21   US-09-791-537-84441        Sequence 84441, A
10   3002   99.8   568   24   US-10-042-865-166          Sequence 166, App
11   2980.5 99.1   567   1    PCT-US95-06623-2           Sequence 2, Appl1
12   2980.5 99.1   567   8    US-08-404-832-2            Sequence 2, Appl1
13   2980.5 99.1   567   16   US-09-224-556-2            Sequence 2, Appl1
14   2980.5 99.1   567   20   US-09-645-926A-7           Sequence 7, Appl1
15   2980.5 99.1   567   21   US-09-791-537-145945       Sequence 145945,
16   2980.5 99.1   567   26   US-10-207-655-103          Sequence 103, App
17   2980.5 99.1   567   26   US-10-242-212-7            Sequence 7, Appl1
18   2886.5 96.0   567   12   US-08-813-323B-1           Sequence 1, Appl1
19   2886.5 96.0   567   21   US-09-791-537-60703        Sequence 60703, A
20   2879.5 95.7   566   12   US-08-813-323A-1           Sequence 1, Appl1
21   2878.5 95.7   567   21   US-09-791-537-40449        Sequence 40449, A
23   2839.5 94.4   543   1    PCT-US02-17382-129         Sequence 129, App
23   2839.5 94.4   543   21   US-09-791-537-5588         Sequence 5588, Ap
24   2831.5 94.1   543   21   US-09-757-041-2            Sequence 2, Appl1
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28   2224   73.9   438   27   US-60-245-221-86           Sequence 86, Appl1
29   2224   73.9   438   23   PCT-US00-06503-2           Sequence 2, Appl1
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33   1253.5 41.7   558   15   US-09-170-208-4            Sequence 4, Appl1
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35   1253.5 41.7   558   21   US-09-791-537-93436        Sequence 93436, A
36   1253.5 41.7   558   24   US-10-042-865-164          Sequence 164, App
37   1253.5 41.7   558   24   US-10-042-865-165          Sequence 165, App
38   1192.5 39.6   557   15   US-09-170-208-4            Sequence 4, Appl1
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41   1189.5 39.5   538   21   US-09-791-537-77702        Sequence 77702, A
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43   1183   39.3   568   24   US-10-042-865-38           Sequence 38, Appl1
44   1133   37.7   212   21   US-09-760-466-824          Sequence 824, App
45   1133   37.7   212   26   US-10-212-083-824          Sequence 824, App
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ALIGNMENTS

RESULT 1
US-08-813-323A-2
Sequence 2, Application US/08813323A
GENERAL INFORMATION:

APPLICANT: Baltimore, David
APPLICANT: Cheng, Genhong
APPLICANT: Cleary, Aileen
APPLICANT: Lederman, Seth
APPLICANT: Ye, Zheng-sheng
TITLE OF INVENTION: TRUNCATED CRAF1 INHIBITS CD40 SIGNALING
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham, LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/813,323A
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: White, John P

REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 50659
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 278-0400
TELEFAX: (212) 391-0525
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 568 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..568
US-08-813-323A-2

Query Match   100.0%; Score 3008; DB 12; Length 568;
Best Local Similarity 100.0%; Pred. No. 1.8e-217;
Matches 568; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 2
US-08-813-323B-2
Sequence 2, Application US/08813323B
GENERAL INFORMATION:
APPLICANT: Baltimore, David
APPLICANT: Cheng, Genhong
APPLICANT: Ye, Zheng-Sheng
APPLICANT: Lederman, Seth
APPLICANT: Cleary, Aileen
TITLE OF INVENTION: Truncated Craf-1 Inhibits CD40 Signalling
FILE REFERENCE: 0575/50659

CURRENT APPLICATION NUMBER: US/08/813,323B
CURRENT FILING DATE: 2002-06-17
NUMBER OF SEQ ID NOS: 5
SOFTWARE: Patentin Version 3.1
SEQ ID NO 2
LENGTH: 568
TYPE: PRT
ORGANISM: Homo Sapiens
US-08-813-323B-2

Query Match   100.0%; Score 3008; DB 12; Length 568;
Best Local Similarity 100.0%; Pred. No. 1.8e-217;
Matches 568; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 3
US-09-791-537-42127
Sequence 42127, Application US/09791537
GENERAL INFORMATION:
APPLICANT: Bionomix, Inc.
APPLICANT: Debe, Derek
APPLICANT: Danzer, Joseph
TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY ME
TITLE OF INVENTION: METHODS OF USE THEREOF
FILE REFERENCE: 261/210
CURRENT APPLICATION NUMBER: US/09/791,537
CURRENT FILING DATE: 2001-02-22
NUMBER OF SEQ ID NOS: 153055
SOFTWARE: Patentin version 3.0
SEQ ID NO 42127
LENGTH: 568
TYPE: PRT
ORGANISM: Homo sapiens

US-09-791-537-42127

Query Match   100.0%;   Score 3008;   DB 21;   Length 568;
Best Local Similarity 100.0%;   Pred. No. 1.8e-217;
Matches 568; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db  121 SRGCAEQLTLGHLLVHLHKNDCHFEELPCVRPDCKEKVLRDLRDHVEKACKYREATCSHC 180

Qy  181 KSQVPMIALQKHEDTDCPCVVVSCPHKCSVQTLLRSELSAHLSECVNAPSTCSFKRYGCV 240
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Db  181 KSQVPMIALQKHEDTDCPCVVVSCPHKCSVQTLLRSELSAHLSECVNAPSTCSFKRYGCV 240

Qy  241 FQGTNQQIKAHEASSAVQHVNLLKEWSNSLEKKVSLLQNESVEKNKSIQSLHNQICSFEI 300
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Db  241 FQGTNQQIKAHEASSAVQHVNLLKEWSNSLEKKVSLLQNESVEKNKSIQSLHNQICSFEI 300

Qy  301 EIERQKEMLRNNESKILHLQRVIDSQAEKLKELDKEIRPFRQNWEEADSMKSSVESLQNR 360
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Qy  481 EYDALLPWPFKQKVTLMLMDQGSSRRHLGDAFKPDPNSSSSFKKPTGEMNIASGCPVFVAQ 540
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Db  481 EYDALLPWPFKQKVTLMLMDQGSSRRHLGDAFKPDPNSSSSFKKPTGEMNIASGCPVFVAQ 540

Qy  541 TVLENGTYIKDDTIFIKVIVDTSDLPDP 568
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Db  541 TVLENGTYIKDDTIFIKVIVDTSDLPDP 568
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RESULT 4
US-10-116-275-173
Sequence 173, Application US/10116275
GENERAL INFORMATION:
APPLICANT: Elan Pharmaceutical Technology
APPLICANT: O'Mahony, Daniel J.
APPLICANT: Brayden, David
APPLICANT: Byrne, Daragh
APPLICANT: Lambkin, Imelda
APPLICANT: Higgins, Lisa
TITLE OF INVENTION: Genetic Analysis of Peyer's Patches and M Cells and Methods and
TITLE OF INVENTION: Compositions Targeting Peyer's Patches and M Cell Receptors
FILE REFERENCE: E1067/20087
CURRENT APPLICATION NUMBER: US/10/116,275
CURRENT FILING DATE: 2002-10-04
NUMBER OF SEQ ID NOS: 349
SOFTWARE: Patentin version 3.1
SEQ ID NO 173
LENGTH: 568
TYPE: PRT
ORGANISM: Homo sapiens
US-10-116-275-173

Query Match   100.0%;   Score 3008;   DB 25;   Length 568;
Best Local Similarity 100.0%;   Pred. No. 1.8e-217;
Matches 568; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db   61 CSPKQTECGHRFCESCMAALLSSSSPKCTACQESIVRDKVFRDNCCKREILALQIYCRNE 120

Qy  121 SRGCAEQLTLGHLLVHLHKNDCHFEELPCVRPDCKEKVLRDLRDHVEKACKYREATCSHC 180
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Qy  181 KSQVPMIALQKHEDTDCPCVVVSCPHKCSVQTLLRSELSAHLSECVNAPSTCSFKRYGCV 240
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Qy  301 EIERQKEMLRNNESKILHLQRVIDSQAEKLKELDKEIRPFRQNWEEADSMKSSVESLQNR 360
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Qy  361 VTELESVDKSAGQVARNTGLLESQLSRHDQMLSVHDIRLADMDLRFQVLETASYNGVLIW 420
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Qy  421 KIRDYKRRKQEAVMGKTLSLYSQPFYTGYFGYKMCARVYLNGDGMGKGTHLSLFFVIMRG 480
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  421 KIRDYKRRKQEAVMGKTLSLYSQPFYTGYFGYKMCARVYLNGDGMGKGTHLSLFFVIMRG 480

Qy  481 EYDALLPWPFKQKVTLMLMDQGSSRRHLGDAFKPDPNSSSSFKKPTGEMNIASGCPVFVAQ 540
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  481 EYDALLPWPFKQKVTLMLMDQGSSRRHLGDAFKPDPNSSSSFKKPTGEMNIASGCPVFVAQ 540

Qy  541 TVLENGTYIKDDTIFIKVIVDTSDLPDP 568
        ||||||||||||||||||||||||||||
Db  541 TVLENGTYIKDDTIFIKVIVDTSDLPDP 568
```

RESULT 5
PCT-US02-17382-131
Sequence 131, Application PC/TUS0217382
GENERAL INFORMATION:
APPLICANT: EXELIXIS, INC.
FILE REFERENCE: EX02-062
TITLE OF INVENTION: MODIFIERS OF THE p53 PATHWAY AND METHODS OF USE
CURRENT APPLICATION NUMBER: PCT/US02/17382
CURRENT FILING DATE: 2002-06-05
PRIOR APPLICATION NUMBER: US 60/296,076
PRIOR FILING DATE: 2001-06-05
PRIOR APPLICATION NUMBER: US 60/328,605
PRIOR FILING DATE: 2001-10-10
PRIOR APPLICATION NUMBER: US 60/357,253
PRIOR FILING DATE: 2002-02-15
NUMBER OF SEQ ID NOS: 234
SOFTWARE: Patentin version 3.1
SEQ ID NO 131
LENGTH: 568
TYPE: PRT
ORGANISM: Homo sapiens
PCT-US02-17382-131

Query Match   99.8%;   Score 3002;   DB 1;   Length 568;
Best Local Similarity 99.8%;   Pred. No. 5.2e-217;
Matches 567; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy    1 MESSKKMDSPGALQTNPPLKLHTDRSAGTPVFVPEQGGYKEKFVKTVEDKYKCEKCHLVL 60
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1 MESSKKMDSPGALQTNPPLKLHTDRSAGTPVFVPEQGGYKEKFVKTVEDKYKCEKCHLVL 60
```

RESULT 6
US-08-367-540A-7
Sequence 7, Application US/0835675540A
GENERAL INFORMATION:
; APPLICANT: Kieff, Elliott
; APPLICANT: Mosialos, George
; APPLICANT: Birhenbach, Mark
; APPLICANT: Vanarsdale, Todd
; APPLICANT: Ware, Carol
; APPLICANT: Kaye, Kenneth M.
; TITLE OF INVENTION: CONTROLLING TRAF-MEDIATED SIGNALS
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02110-2804
COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: FastSEQ for Windows Version 2.0b
CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/367,540A
; FILING DATE: 30-DEC-1994
ATTORNEY/AGENT INFORMATION:
; NAME: Freeman, John W.
; REGISTRATION NUMBER: 29,066
; REFERENCE/DOCKET NUMBER: 05311/014001
TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/542-5070
; TELEFAX: 617/542-8906
; TELEX: 200154
INFORMATION FOR SEQ ID NO: 7:

RESULT 6 alignment:

```
Qy   61 CSPKQTECGHRFCESCMAALLSSSSPKCTACQQESIVKDKYFKDNCCKREILALQIYCRNE 120
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   61 CSPKQTECGHRFCESCMAALLSSSSPKCTACQQESIVKDKYFKDNCCKREILALQIYCRNE 120

Qy  121 SRGCAEQLTLGHLLVHLKNDCHFEELPCVRPDCKEKVLRKDLRDHVEKACKYREATCSHC 180
        ||||||| |||||||||||||||||||||||||||||||||||||||||||||||||||
Db  121 SRGCAEQLMLGHLLVHLKNDCHFEELPCVRPDCKEKVLRKDLRDHVEKACKYREATCSHC 180

Qy  181 KSQVPMIALQKHEDTDCPCVVVSCPHKCSVQTLLRSELSAHLSECVNAPSTCSFKRYGCV 240
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  181 KSQVPMIALQKHEDTDCPCVVVSCPHKCSVQTLLRSELSAHLSECVNAPSTCSFKRYGCV 240

Qy  241 FQGTNQQIKAHEASSAVQHVNLLKEWSNSLEKKVSLLQNESVEKNKSIQSLHNQICSFEI 300
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  241 FQGTNQQIKAHEASSAVQHVNLLKEWSNSLEKKVSLLQNESVEKNKSIQSLHNQICSFEI 300

Qy  301 EIERQKEMLRNNESKILHLQRVIDSQAEKLKELDKEIRPFRQNWEEADSMKSSVESLQNR 360
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  301 EIERQKEMLRNNESKILHLQRVIDSQAEKLKELDKEIRPFRQNWEEADSMKSSVESLQNR 360

Qy  361 VTELESVDKSAGQVARNTGLLESQLSRHDQMLSVHDIRLADMDLRFQVLETASYNGVLIW 420
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  361 VTELESVDKSAGQVARNTGLLESQLSRHDQMLSVHDIRLADMDLRFQVLETASYNGVLIW 420

Qy  421 KIRDYKRRKQEAVMGKTLSLYSQPFYTGYFGYKMCARVYLNGDGMGKGTHLSLFFVIMRG 480
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  421 KIRDYKRRKQEAVMGKTLSLYSQPFYTGYFGYKMCARVYLNGDGMGKGTHLSLFFVIMRG 480

Qy  481 EYDALLPWPFKQKVTLMLMDQGSSRRHLGDAFKPDPNSSSFKKPTGEMNIASGCPVFVAQ 540
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  481 EYDALLPWPFKQKVTLMLMDQGSSRRHLGDAFKPDPNSSSFKKPTGEMNIASGCPVFVAQ 540

Qy  541 TVLENGTYIKDDTIFIKVIVDTSDLPDP 568
        ||||||||||||||||||||||||||||
Db  541 TVLENGTYIKDDTIFIKVIVDTSDLPDP 568
```

SEQUENCE CHARACTERISTICS:
; LENGTH: 568 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
US-08-367-540A-7

Query Match 99.8%; Score 3002; DB 7; Length 568;
Best Local Similarity 99.8%; Pred. No. 5.2e-217;
Matches 567; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```
Qy    1 MESSKKMDSPGALQTNPPLKLHTDRSAGTPVFVPEQGGYKEKFVKTVEDKYKCEKCHLVL 60
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1 MESSKKMDSPGALQTNPPLKLHTDRSAGTPVFVPEQGGYKEKFVKTVEDKYKCEKCHLVL 60

Qy   61 CSPKQTECGHRFCESCMAALLSSSSPKCTACQQESIVKDKYFKDNCCKREILALQIYCRNE 120
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   61 CSPKQTECGHRFCESCMAALLSSSSPKCTACQQESIVKDKYFKDNCCKREILALQIYCRNE 120

Qy  121 SRGCAEQLTLGHLLVHLKNDCHFEELPCVRPDCKEKVLRKDLRDHVEKACKYREATCSHC 180
        ||||||| |||||||||||||||||||||||||||||||||||||||||||||||||||
Db  121 SRGCAEQLMLGHLLVHLKNDCHFEELPCVRPDCKEKVLRKDLRDHVEKACKYREATCSHC 180

Qy  181 KSQVPMIALQKHEDTDCPCVVVSCPHKCSVQTLLRSELSAHLSECVNAPSTCSFKRYGCV 240
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  181 KSQVPMIALQKHEDTDCPCVVVSCPHKCSVQTLLRSELSAHLSECVNAPSTCSFKRYGCV 240

Qy  241 FQGTNQQIKAHEASSAVQHVNLLKEWSNSLEKKVSLLQNESVEKNKSIQSLHNQICSFEI 300
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  241 FQGTNQQIKAHEASSAVQHVNLLKEWSNSLEKKVSLLQNESVEKNKSIQSLHNQICSFEI 300

Qy  301 EIERQKEMLRNNESKILHLQRVIDSQAEKLKELDKEIRPFRQNWEEADSMKSSVESLQNR 360
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  301 EIERQKEMLRNNESKILHLQRVIDSQAEKLKELDKEIRPFRQNWEEADSMKSSVESLQNR 360

Qy  361 VTELESVDKSAGQVARNTGLLESQLSRHDQMLSVHDIRLADMDLRFQVLETASYNGVLIW 420
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  361 VTELESVDKSAGQVARNTGLLESQLSRHDQMLSVHDIRLADMDLRFQVLETASYNGVLIW 420

Qy  421 KIRDYKRRKQEAVMGKTLSLYSQPFYTGYFGYKMCARVYLNGDGMGKGTHLSLFFVIMRG 480
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  421 KIRDYKRRKQEAVMGKTLSLYSQPFYTGYFGYKMCARVYLNGDGMGKGTHLSLFFVIMRG 480

Qy  481 EYDALLPWPFKQKVTLMLMDQGSSRRHLGDAFKPDPNSSSFKKPTGEMNIASGCPVFVAQ 540
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  481 EYDALLPWPFKQKVTLMLMDQGSSRRHLGDAFKPDPNSSSFKKPTGEMNIASGCPVFVAQ 540

Qy  541 TVLENGTYIKDDTIFIKVIVDTSDLPDP 568
        ||||||||||||||||||||||||||||
Db  541 TVLENGTYIKDDTIFIKVIVDTSDLPDP 568
```

RESULT 7
US-08-367-540B-7
Sequence 7, Application US/0835675540B
GENERAL INFORMATION:
; APPLICANT: Kieff, Elliott
; APPLICANT: Mosialos, George
; APPLICANT: Birhenbach, Mark
; APPLICANT: Vanarsdale, Todd
; APPLICANT: Ware, Carol
; APPLICANT: Kaye, Kenneth M.
; TITLE OF INVENTION: CONTROLLING TRAF-MEDIATED SIGNALS
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02110-2804
COMPUTER READABLE FORM:

;   MEDIUM TYPE: Diskette
;   COMPUTER: IBM Compatible
;   OPERATING SYSTEM: Windows 95
;   SOFTWARE: FastSEQ for Windows Version 2.0b
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/367,540B
;   FILING DATE: 30-DEC-1994
; ATTORNEY/AGENT INFORMATION:
;   NAME: Freeman, John W
;   REGISTRATION NUMBER: 29,066
;   REFERENCE/DOCKET NUMBER: 05311/014001
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: 617/542-5070
;   TELEFAX: 617/542-8906
;   TELEX: 200154
;   MOLECULE TYPE: protein
;   FRAGMENT TYPE: internal
US-08-367-540B-7

Query Match   99.8%;   Score 3002;   DB 7;   Length 568;
Best Local Similarity   99.8%;   Pred. No. 5.2e-217;
Matches 567;   Conservative   0;   Mismatches   1;   Indels   0;   Gaps   0;

```
Qy   1 MESSKKMDSPGALQTNPPLKLHTDRSAGTPVFVFVPEQGGYKEKEVKTVEDKYKCEKCHLVL  60
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1 MESSKKMDSPGALQTNPPLKLHTDRSAGTPVFVFVPEQGGYKEKEVKTVEDKYKCEKCHLVL  60

Qy  61 CSPKQTECGHRFCESCMAALLSSSSPKCTACQESIVKDKVFKDNCCKREILALQIYCRNE 120
Db  61 CSPKQTECGHRFCESCMAALLSSSSPKCTACQESIVKDKVFKDNCCKREILALQIYCRNE 120

Qy 121 SRGCAEQLTLGHLLVHLKNDCHFEELPCVRPDCKEKVLRKDLRDHVEKACKYREATCSHC 180
Db 121 SRGCAEQLTLGHLLVHLKNDCHFEELPCVRPDCKEKVLRKDLRDHVEKACKYREATCSHC 180

Qy 181 KSQVPMIALQKHEDTDCPCVVVSCPHKCSVQTLLRSELSAHLSECVNAPSTCSFKRYGCV 240
Db 181 KSQVPMIALQKHEDTDCPCVVVSCPHKCSVQTLLRSELSAHLSECVNAPSTCSFKRYGCV 240

Qy 241 FQGTNQQIKAHEASSAVQHVNLLKEWSNSLEKKVSLLQNESVEKNKSIQSLHNQICSFEI 300
Db 241 FQGTNQQIKAHEASSAVQHVNLLKEWSNSLEKKVSLLQNESVEKNKSIQSLHNQICSFEI 300

Qy 301 EIEROKEMLRNNESKILHLQRVIDSQAEKLKELDKEIRPFRQNWEEADSMKSSVESLQNR 360
Db 301 EIEROKEMLRNNESKILHLQRVIDSQAEKLKELDKEIRPFRQNWEEADSMKSSVESLQNR 360

Qy 361 VTELESVDKSAGQVARNTGLLESQLSRHDQMLSVHDIRLADMDLRFQVLETASYNGVLIW 420
Db 361 VTELESVDKSAGQVARNTGLLESQLSRHDQMLSVHDIRLADMDLRFQVLETASYNGVLIW 420

Qy 421 KIRDYKRRKQEAVMGKTLSLYSQPFYTGYFGYKMCARVYLNGDGMGKGTHLSLFFVIMRG 480
Db 421 KIRDYKRRKQEAVMGKTLSLYSQPFYTGYFGYKMCARVYLNGDGMGKGTHLSLFFVIMRG 480

Qy 481 EYDALLPWPFKQKVTLMLMDQGSSRRHLGDAFKPDPNSSSFKKPTGEMNIASGCPVFVAQ 540
Db 481 EYDALLPWPFKQKVTLMLMDQGSSRRHLGDAFKPDPNSSSFKKPTGEMNIASGCPVFVAQ 540

Qy 541 TVLENGTYIKDDTIPIKVIVDTSDLPDP 568
Db 541 TVLENGTYIKDDTIPIKVIVDTSDLPDP 568
```

RESULT 8
US-08-367-540C-7
; Sequence 7, Application US/0836754 0C
; GENERAL INFORMATION:

;   APPLICANT: Kieff, Elliott
;   APPLICANT: Mosialos, George
;   APPLICANT: Birhenbach, Mark
;   APPLICANT: Vanarsdale, Todd
;   APPLICANT: Ware, Carol
;   APPLICANT: Kaye, Kenneth M.
; TITLE OF INVENTION: CONTROLLING TRAF-MEDIATED SIGNALS
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Fish & Richardson P.C.
;   STREET: 225 Franklin Street
;   CITY: Boston
;   STATE: MA
;   COUNTRY: USA
;   ZIP: 02110-2804
; COMPUTER READABLE FORM:
;   MEDIUM TYPE: Diskette
;   COMPUTER: IBM Compatible
;   OPERATING SYSTEM: Windows 95
;   SOFTWARE: FastSEQ for Windows Version 2.0b
; INFORMATION FOR SEQ ID NO: 7:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 568 amino acid
;   TYPE: amino acids
;   TOPOLOGY: linear
; CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/367,540C
;   FILING DATE: 30-DEC-1994
; ATTORNEY/AGENT INFORMATION:
;   NAME: Freeman, John W.
;   REGISTRATION NUMBER: 29,066
;   REFERENCE/DOCKET NUMBER: 05311/014001
; TELECOMMUNICATION INFORMATION:
;   TELEPHONE: 617/542-5070
;   TELEFAX: 617/542-8906
;   TELEX: 200154
;   MOLECULE TYPE: protein
;   FRAGMENT TYPE: internal
US-08-367-540C-7

Query Match   99.8%;   Score 3002;   DB 7;   Length 568;
Best Local Similarity   99.8%;   Pred. No. 5.2e-217;
Matches 567;   Conservative   0;   Mismatches   1;   Indels   0;   Gaps   0;

```
Qy   1 MESSKKMDSPGALQTNPPLKLHTDRSAGTPVFVFVPEQGGYKEKEVKTVEDKYKCEKCHLVL  60
         ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1 MESSKKMDSPGALQTNPPLKLHTDRSAGTPVFVFVPEQGGYKEKEVKTVEDKYKCEKCHLVL  60

Qy  61 CSPKQTECGHRFCESCMAALLSSSSPKCTACQESIVKDKVFKDNCCKREILALQIYCRNE 120
Db  61 CSPKQTECGHRFCESCMAALLSSSSPKCTACQESIVKDKVFKDNCCKREILALQIYCRNE 120

Qy 121 SRGCAEQLTLGHLLVHLKNDCHFEELPCVRPDCKEKVLRKDLRDHVEKACKYREATCSHC 180
Db 121 SRGCAEQLTLGHLLVHLKNDCHFEELPCVRPDCKEKVLRKDLRDHVEKACKYREATCSHC 180

Qy 181 KSQVPMIALQKHEDTDCPCVVVSCPHKCSVQTLLRSELSAHLSECVNAPSTCSFKRYGCV 240
Db 181 KSQVPMIALQKHEDTDCPCVVVSCPHKCSVQTLLRSELSAHLSECVNAPSTCSFKRYGCV 240

Qy 241 FQGTNQQIKAHEASSAVQHVNLLKEWSNSLEKKVSLLQNESVEKNKSIQSLHNQICSFEI 300
Db 241 FQGTNQQIKAHEASSAVQHVNLLKEWSNSLEKKVSLLQNESVEKNKSIQSLHNQICSFEI 300

Qy 301 EIEROKEMLRNNESKILHLQRVIDSQAEKLKELDKEIRPFRQNWEEADSMKSSVESLQNR 360
Db 301 EIEROKEMLRNNESKILHLQRVIDSQAEKLKELDKEIRPFRQNWEEADSMKSSVESLQNR 360

Qy 361 VTELESVDKSAGQVARNTGLLESQLSRHDQMLSVHDIRLADMDLRFQVLETASYNGVLIW 420
Db 361 VTELESVDKSAGQVARNTGLLESQLSRHDQMLSVHDIRLADMDLRFQVLETASYNGVLIW 420

Qy 421 KIRDYKRRKQEAVMGKTLSLYSQPFYTGYFGYKMCARVYLNGDGMGKGTHLSLFFVIMRG 480
```

```
Db  421  KIRDYKRRKQEAVNGKTLSLYSQPFYTGYFGYKMCARVYLNGDMGKGTHLSLFFVIMRG  480
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy  481  EYDALLPWPFKQKVTLMLMDQGSSRRHLGDAFKPDPNSSSFKKPTGEMNIASGCPVFVAQ  540
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  481  EYDALLPWPFKQKVTLMLMDQGSSRRHLGDAFKPDPNSSSFKKPTGEMNIASGCPVFVAQ  540
              ||||||||||||||||||||||||||||
Qy  541  TVLENGTYIKDDTIFIKVIVDTSDLPDP  568
              ||||||||||||||||||||||||||||
Db  541  TVLENGTYIKDDTIFIKVIVDTSDLPDP  568
```

RESULT 9
US-09-791-537-8441
Sequence 8441, Application US/09791537
GENERAL INFORMATION:
APPLICANT: Bionomix, Inc.
APPLICANT: Debe, Derek
APPLICANT: Danzer, Joseph
TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBE
TITLE OF INVENTION: METHODS OF USE THEREOF
FILE REFERENCE: 261/210
CURRENT APPLICATION NUMBER: US/09/791,537
CURRENT FILING DATE: 2001-02-22
NUMBER OF SEQ ID NOS: 153055
SOFTWARE: Patentin Version 3.0
SEQ ID NO 8441
LENGTH: 568
TYPE: PRT
ORGANISM: Homo sapiens
US-09-791-537-8441

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Query Match        99.8%;   Score 3002;  DB 21;   Length 568;
Best Local Similarity  99.8%;   Pred. No. 5.2e-217;
Matches  567;  Conservative  0;  Mismatches  1;  Indels  0;  Gaps  0;

Qy    1  MESSKKMDSPGALQTNPPLKLHTDRSAGTPVFVPEQGGYKEKFVKTVEDKYKCEKCHLVL   60
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1  MESSKKMDSPGALQTNPPLKLHTDRSAGTPVFVPEQGGYKEKFVKTVEDKYKCEKCHLVL   60
Qy   61  CSPKQTECGHRFCESCMAALLSSSSPKCTACQESIVKDKVFKDNCCKREILALQIYCRNE  120
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   61  CSPKQTECGHRFCESCMAALLSSSSPKCTACQESIVKDKVFKDNCCKREILALQIYCRNE  120
Qy  121  SRGCAEQLTLGHLLVHLKNDCHFEELPCVRPDCKEKVLRKDLRDHVERACKYREATCSHC  180
             ||||||| ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  121  SRGCAEQLMLGHLLVHLKNDCHFEELPCVRPDCKEKVLRKDLRDHVERACKYREATCSHC  180
Qy  181  KSQVPMIALQKHEDTDCPCVVVSCPHKCSVQTLLRSELSAHLSECVNAPSTCSFKRYGCV  240
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  181  KSQVPMIALQKHEDTDCPCVVVSCPHKCSVQTLLRSELSAHLSECVNAPSTCSFKRYGCV  240
Qy  241  FQGTNQQIKAHEASSAVQHVNLLKEWSNSLEKKVSLLQNESVEKNKSIQSLHNQICSFEI  300
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  241  FQGTNQQIKAHEASSAVQHVNLLKEWSNSLEKKVSLLQNESVEKNKSIQSLHNQICSFEI  300
Qy  301  EIERQKEMLRNNESKILHLQRVIDSQAEKLKELDKEIRPFRQNWEEADSMKSSVESLQNR  360
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  301  EIERQKEMLRNNESKILHLQRVIDSQAEKLKELDKEIRPFRQNWEEADSMKSSVESLQNR  360
Qy  361  VTELESVDKSAGQVARNTGLLESQLSRHDQMLSVHDIRLADMDLRFQVLETASYNGVLIW  420
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  361  VTELESVDKSAGQVARNTGLLESQLSRHDQMLSVHDIRLADMDLRFQVLETASYNGVLIW  420
Qy  421  KIRDYKRRKQEAVNGKTLSLYSQPFYTGYFGYKMCARVYLNGDMGKGTHLSLFFVIMRG  480
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  421  KIRDYKRRKQEAVNGKTLSLYSQPFYTGYFGYKMCARVYLNGDMGKGTHLSLFFVIMRG  480
Qy  481  EYDALLPWPFKQKVTLMLMDQGSSRRHLGDAFKPDPNSSSFKKPTGEMNIASGCPVFVAQ  540
             |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  481  EYDALLPWPFKQKVTLMLMDQGSSRRHLGDAFKPDPNSSSFKKPTGEMNIASGCPVFVAQ  540
Qy  541  TVLENGTYIKDDTIFIKVIVDTSDLPDP  568
```

```
Db  541  TVLENGTYIKDDTIFIKVIVDTSDLPDP  568
```

RESULT 10
US-10-042-865-166
Sequence 166, Application US/10042865
GENERAL INFORMATION:
APPLICANT: Padigaru, Muralidhara
APPLICANT: Li, Li
APPLICANT: Zerhusen, Bryan D
APPLICANT: Casman, Stacie J
APPLICANT: Shenoy, Suresh G
APPLICANT: Spytek, Kimberly
APPLICANT: zhong, Mei
APPLICANT: Gangolli, Esha A
APPLICANT: Burgess, Catherine E
APPLICANT: Patturajan, Meera
APPLICANT: Vernet, Corine A.M
APPLICANT: Taylor, Sarah
APPLICANT: Tchernev, Velizar T
APPLICANT: Miller, Charles E
APPLICANT: Guo, Xiaojia
APPLICANT: Boldog, Ference L
APPLICANT: Grosse, William M
APPLICANT: Alsobrook II, John P
APPLICANT: Gerlach, Valerie L
APPLICANT: Edinger, Shlomit R
APPLICANT: Rothenberg, Mark E
APPLICANT: Ellerman, Karen
APPLICANT: MacDougall, John
APPLICANT: Malyankar, Uriel M
APPLICANT: Millet, Isabelle
APPLICANT: Peyman, John
APPLICANT: Smithson, Glennda
APPLICANT: Gunther, Erik
APPLICANT: Stone, David
TITLE OF INVENTION: Proteins, Polynucleotides Encoding Them and Methods of
TITLE OF INVENTION: Using the Same
FILE REFERENCE: 21402-537
CURRENT APPLICATION NUMBER: US/10/042,865
CURRENT FILING DATE: 2002-05-17
PRIOR APPLICATION NUMBER: 60/260,417
PRIOR FILING DATE: 2001-01-09
PRIOR APPLICATION NUMBER: 60/260,831
PRIOR FILING DATE: 2001-01-10
PRIOR APPLICATION NUMBER: 60/272,338
PRIOR FILING DATE: 2001-02-28
PRIOR APPLICATION NUMBER: 60/274,876
PRIOR FILING DATE: 2001-03-09
PRIOR APPLICATION NUMBER: 60/284,704
PRIOR FILING DATE: 2001-04-18
NUMBER OF SEQ ID NOS: 264
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 166
LENGTH: 568
TYPE: PRT
ORGANISM: Homo sapiens
US-10-042-865-166

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Query Match        99.8%;   Score 3002;  DB 24;   Length 568;
Best Local Similarity  99.8%;   Pred. No. 5.2e-217;
Matches  567;  Conservative  0;  Mismatches  1;  Indels  0;  Gaps  0;

Qy    1  MESSKKMDSPGALQTNPPLKLHTDRSAGTPVFVPEQGGYKEKFVKTVEDKYKCEKCHLVL   60
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1  MESSKKMDSPGALQTNPPLKLHTDRSAGTPVFVPEQGGYKEKFVKTVEDKYKCEKCHLVL   60
Qy   61  CSPKQTECGHRFCESCMAALLSSSSPKCTACQESIVKDKVFKDNCCKREILALQIYCRNE  120
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   61  CSPKQTECGHRFCESCMAALLSSSSPKCTACQESIVKDKVFKDNCCKREILALQIYCRNE  120
Qy  121  SRGCAEQLTLGHLLVHLKNDCHFEELPCVRPDCKEKVLRKDLRDHVERACKYREATCSHC  180
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RESULT 11
PCT-US95-06623-2
Sequence 2, Application PC/TUS9506623
GENERAL INFORMATION:
APPLICANT: THE REGENTS OF THE UNIVERSITY OF MICHIGAN
TITLE OF INVENTION: CD40 BINDING COMPOSITIONS AND METHODS OF
TITLE OF INVENTION: USING SAME
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 755 Page Mill Road
CITY: Palo Alto
STATE: California
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/06623
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: KONSKI, ANTOINETTE F.
REGISTRATION NUMBER: 34,202
REFERENCE/DOCKET NUMBER: 20344210254 0
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 813-5600
TELEFAX: (415) 494-0792
TELEX: 706141
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 567 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

Query Match

PCT-US95-06623-2
99.1%; Score 2980.5; DB 1; Length 567;

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Db  121 SRGCAEQLMLGHLLVHLKNDCHFEELPCVRPDCKEKVLRKDLRDHVEKACKYREATCSHC 180
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Qy  181 KSQVPMIALQKHEDTDCPCVVVSCPHKCSVQTLLRSELSAHLSECVNAPSTCSFKRYGCV 240
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  181 KSQVPMIALQKHEDTDCPCVVVSCPHKCSVQTLLRSELSAHLSECVNAPSTCSFKRYGCV 240
Qy  241 FQGTNQQIKAHEASSAVQHVNLLKEWSNSLEKKVSLLQNESVEKNKSIQSLHNQICSFEI 300
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  241 FQGTNQQIKAHEASSAVQHVNLLKEWSNSLEKKVSLLQNESVEKNKSIQSLHNQICSFEI 300
Qy  301 EIERQKEMLRNNESKILHLQRVIDSQAEKLKELDKEIRPFRQNWEEADSMKSSVESLQNR 360
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  301 EIERQKEMLRNNESKILHLQRVIDSQAEKLKELDKEIRPFRQNWEEADSMKSSVESLQNR 360
Qy  361 VTELESVDKSAGQVARNTGLLESQLSRHDQMLSVHDIRLADMDLRFQVLETASYNGVLIW 420
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  361 VTELESVDKSAGQVARNTGLLESQLSRHDQMLSVHDIRLADMDLRFQVLETASYNGVLIW 420
Qy  421 KIRDYKRRKQEAVNGKTLSLYSQPFYTGYFGYXMCARVYLNGDGMGKGTHLSLFFVIMRG 480
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  421 KIRDYKRRKQEAVNGKTLSLYSQPFYTGYFGYXMCARVYLNGDGMGKGTHLSLFFVIMRG 480
Qy  481 EYDALLPWPFKQKVTLMLMDQGSSRRHLGDAFKPDPNSSSFKKPTGEMNIASGCPVFVAQ 540
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  481 EYDALLPWPFKQKVTLMLMDQGSSRRHLGDAFKPDPNSSSFKKPTGEMNIASGCPVFVAQ 540
Qy  541 TVLENGTTYIIKDDIFIKVIVDTSDLPDP 568
        |||||||||||||||||||||||||||||
Db  541 TVLENGTTYIIKDDIFIKVIVDTSDLPDP 568
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RESULT 12
US-08-404-832-2
Sequence 2, Application US/08404832
GENERAL INFORMATION:
APPLICANT: DIXIT, VISHA M.
TITLE OF INVENTION: CD40 BINDING COMPOSITIONS AND METHODS OF
TITLE OF INVENTION: USING SAME
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 755 Page Mill Road
CITY: Palo Alto
STATE: California
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/404,832
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: KONSKI, ANTOINETTE F.
REGISTRATION NUMBER: 34,202
REFERENCE/DOCKET NUMBER: 2034421025 00
TELECOMMUNICATION INFORMATION:

Best Local Similarity 99.5%; Conservative 0; Mismatches 2; Indels 1; Gaps 1;
Matches 565; Pred. No. 2.2e-215;

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Qy    1 MESSKKMDSPGALQTNPPLKLHTDRSAGTPVFVPEQGGYKEKFVKTVEDKYKCEKCHLVL 60
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1 MESSKKMDSPGALQTNPPLKLHTDRSAGTPVFVPEQGGYKEKFVKTVEDKYKCEKCHLVL 60
Qy   61 CSPKQTECGHRFCESCMAALLSSSSPKCTACQESIVRDKVFKDNCCKREIILALQIYCRNE 120
        |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   61 CSPKQTECGHRFCESCMAALLSSSSPKCTACQESIVRDKVFKDNCCKREIILALQIYCRNE 120
Qy  121 SRGCAEQLITLGHLLLVHLKNDCHFEELPCVRPDCKEKVLRKDLRDHVEKACKYREATCSHC 180
        ||||||||| |||||||||||||||||||||||||||||||||||||||||||||||||
Db  121 SRGCAEQLMLGH-LVHLKNDCHFEELPCVRPDCKEKVLRKDLRDHVEKACKYREATCSHC 179
Qy  181 KSQVPMIALQKHEDTDCPCVVVSCPHKCSVQTLLRSELSAHLSECVNAPSTCSFKRYGCV 240
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  180 KSQVPMIALQKHEDTDCPCVVVSCPHKCSVQTLLRSELSAHLSECVNAPSTCSFKRYGCV 239
Qy  241 FQGTNQQIKAHEASSAVQHVNLLKEWSNSLEKKVSLLQNESVEKNKSIQSLHNQICSFEI 300
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  240 FQGTNQQIKAHEASSAVQHVNLLKEWSNSLEKKVSLLQNESVEKNKSIQSLHNQICSFEI 299
Qy  301 EIERQKEMLRNNESKILHLQRVIDSQAEKLKELDKEIRPFRQNWEEADSMKSSVESLQNR 360
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  300 EIERQKEMLRNNESKILHLQRVIDSQAEKLKELDKEIRPFRQNWEEADSMKSSVESLQNR 359
Qy  361 VTELESVDKSAGQVARNTGLLESQLSRHDQMLSVHDIRLADMDLRFQVLETASYNGVLIW 420
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  360 VTELESVDKSAGQVARNTGLLESQLSRHDQMLSVHDIRLADMDLRFQVLETASYNGVLIW 419
Qy  421 KIRDYKRRKQEAVNGKTLSLYSQPFYTGYFGYXMCARVYLNGDGMGKGTHLSLFFVIMRG 480
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  420 KIRDYKRRKQEAVNGKTLSLYSQPFYTGYFGYXMCARVYLNGDGMGKGTHLSLFFVIMRG 479
Qy  481 EYDALLPWPFKQKVTLMLMDQGSSRRHLGDAFKPDPNSSSFKKPTGEMNIASGCPVFVAQ 540
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  480 EYDALLPWPFKQKVTLMLMDQGSSRRHLGDAFKPDPNSSSFKKPTGEMNIASGCPVFVAQ 539
Qy  541 TVLENGTTYIIKDDIFIKVIVDTSDLPDP 568
        |||||||||||||||||||||||||||||
Db  540 TVLENGTTYIIKDDIFIKVIVDTSDLPDP 567
```

TELEPHONE: (415) 813-5600
TELEFAX: (415) 494-0792
TELEX: 706141
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 567 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

US-08-404-832-2

Query Match   99.18;   Score 2980.5;   DB 8;   Length 567;
Best Local Similarity   99.5%;   Pred. No. 2.2e-215;
Matches 565;   Conservative   0;   Mismatches   2;   Indels   1;   Gaps   1;

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Qy    1 MESSKKMDSPGALQTNPPLKLHTDRSAGTPVFVPEQGGYKEKFVKTVEDKYKCEKCHLVL   60
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1 MESSKKMDSPGALQTNPPLKLHTDRSAGTPVFVPEQGGYKEKFVKTVEDKYKCEKCHLVL   60

Qy   61 CSPKQTECGHRFCESCMAALLSSSSPKCTACQOESIVKDKVFKDNCCKREILALQIYCRNE  120
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   61 CSPKQTECGHRFCESCMAALLSSSSPKCTACQOESIVKDKVFKDNCCKREILALQIYCRNE  120

Qy  121 SRGCAEQLTLGHLLVHLKNDCHFEELPCVRPDCKEKVLRKDLRDHVEKACKYREATCSHC   180
        ||||||||:||||||||||||||||||||||||||||||||||||||||||||||||||
Db  121 SRGCAEQLMLGH-LVHLKNDCHFEELPCVRPDCKEKVLRKDLRDHVEKACKYREATCSHC   179

Qy  181 KSQVPMIALQKHEDTDCPCVVVSCPHKCSVQTLLRSELSAHLSECVNAPSTCSFKRYGCV   240
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  180 KSQVPMIALQKHEDTDCPCVVVSCPHKCSVQTLLRSELSAHLSECVNAPSTCSFKRYGCV   239

Qy  241 FQGTNQQIKAHEASSAVQHVNLLKEWSNSLEKKVSLLQNESVEKNKSIQSLHNQICSFEI   300
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  240 FQGTNQQIKAHEASSAVQHVNLLKEWSNSLEKKVSLLQNESVEKNKSIQSLHNQICSFEI   299

Qy  301 EIERQKEMLRNNESKILHLQRVIDSQOAEKLKELDKEIRPFRQNWEEADSMKSSVESLQNR  360
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  300 EIERQKEMLRNNESKILHLQRVIDSQOAEKLKELDKEIRPFRQNWEEADSMKSSVESLQNR  359

Qy  361 VTELESVDKSAGQVARNTGLLESQLSRHDQMLSVHDIRLADMDLRFQVLETASYNGVLIW   420
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  360 VTELESVDKSAGQVARNTGLLESQLSRHDQMLSVHDIRLADMDLRFQVLETASYNGVLIW   419

Qy  421 KIRDYKRRKQEAVMGKTLSLYSQPFYTGYFGYKMCARVYLNGDGMGKGTHLSLFFVIMRG   480
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  420 KIRDYKRRKQEAVMGKTLSLYSQPFYTGYFGYKMCARVYLNGDGMGKGTHLSLFFVIMRG   479

Qy  481 EYDALLPWPFKQKVTLMLMDQGSSRRHLGDAFKPDDNSSSFKKPTGEMNIASGCPVFVAQ   540
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  480 EYDALLPWPFKQKVTLMLMDQGSSRRHLGDAFKPDDNSSSFKKPTGEMNIASGCPVFVAQ   539

Qy  541 TVLENGTYIKDDTIFIKVIVDTSDLPDP   568
        ||||||||||||||||||||||||||||
Db  540 TVLENGTYIKDDTIFIKVIVDTSDLPDP   567
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RESULT 13
US-09-224-556-2
Sequence 2, Application US/09224556
GENERAL INFORMATION:
APPLICANT: Dixit, Vishva M.
TITLE OF INVENTION: CD40 BINDING COMPOSITIONS AND METHODS OF
TITLE OF INVENTION: USING SAME
FILE REFERENCE: 128019201702
CURRENT APPLICATION NUMBER: US/09/224,556
CURRENT FILING DATE: 1998-12-30
PRIOR APPLICATION NUMBER: 08/826,577
PRIOR FILING DATE: 1997-04-02
PRIOR APPLICATION NUMBER: 08/404,832
PRIOR FILING DATE: 1995-03-13
NUMBER OF SEQ ID NOS: 16
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 2

LENGTH: 567
TYPE: PRT
ORGANISM: Homo sapiens
US-09-224-556-2

Query Match   99.18;   Score 2980.5;   DB 16;   Length 567;
Best Local Similarity   99.5%;   Pred. No. 2.2e-215;
Matches 565;   Conservative   0;   Mismatches   2;   Indels   1;   Gaps   1;

```
Qy    1 MESSKKMDSPGALQTNPPLKLHTDRSAGTPVFVPEQGGYKEKFVKTVEDKYKCEKCHLVL   60
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    1 MESSKKMDSPGALQTNPPLKLHTDRSAGTPVFVPEQGGYKEKFVKTVEDKYKCEKCHLVL   60

Qy   61 CSPKQTECGHRFCESCMAALLSSSSPKCTACQOESIVKDKVFKDNCCKREILALQIYCRNE  120
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   61 CSPKQTECGHRFCESCMAALLSSSSPKCTACQOESIVKDKVFKDNCCKREILALQIYCRNE  120

Qy  121 SRGCAEQLTLGHLLVHLKNDCHFEELPCVRPDCKEKVLRKDLRDHVEKACKYREATCSHC   180
        ||||||||:||||||||||||||||||||||||||||||||||||||||||||||||||
Db  121 SRGCAEQLMLGH-LVHLKNDCHFEELPCVRPDCKEKVLRKDLRDHVEKACKYREATCSHC   179

Qy  181 KSQVPMIALQKHEDTDCPCVVVSCPHKCSVQTLLRSELSAHLSECVNAPSTCSFKRYGCV   240
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  180 KSQVPMIALQKHEDTDCPCVVVSCPHKCSVQTLLRSELSAHLSECVNAPSTCSFKRYGCV   239

Qy  241 FQGTNQQIKAHEASSAVQHVNLLKEWSNSLEKKVSLLQNESVEKNKSIQSLHNQICSFEI   300
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  240 FQGTNQQIKAHEASSAVQHVNLLKEWSNSLEKKVSLLQNESVEKNKSIQSLHNQICSFEI   299

Qy  301 EIERQKEMLRNNESKILHLQRVIDSQOAEKLKELDKEIRPFRQNWEEADSMKSSVESLQNR  360
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  300 EIERQKEMLRNNESKILHLQRVIDSQOAEKLKELDKEIRPFRQNWEEADSMKSSVESLQNR  359

Qy  361 VTELESVDKSAGQVARNTGLLESQLSRHDQMLSVHDIRLADMDLRFQVLETASYNGVLIW   420
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  360 VTELESVDKSAGQVARNTGLLESQLSRHDQMLSVHDIRLADMDLRFQVLETASYNGVLIW   419

Qy  421 KIRDYKRRKQEAVMGKTLSLYSQPFYTGYFGYKMCARVYLNGDGMGKGTHLSLFFVIMRG   480
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  420 KIRDYKRRKQEAVMGKTLSLYSQPFYTGYFGYKMCARVYLNGDGMGKGTHLSLFFVIMRG   479

Qy  481 EYDALLPWPFKQKVTLMLMDQGSSRRHLGDAFKPDDNSSSFKKPTGEMNIASGCPVFVAQ   540
        ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db  480 EYDALLPWPFKQKVTLMLMDQGSSRRHLGDAFKPDDNSSSFKKPTGEMNIASGCPVFVAQ   539

Qy  541 TVLENGTYIKDDTIFIKVIVDTSDLPDP   568
        ||||||||||||||||||||||||||||
Db  540 TVLENGTYIKDDTIFIKVIVDTSDLPDP   567
```

RESULT 14
US-09-645-926A-7
Sequence 7, Application US/09645926A
GENERAL INFORMATION:
APPLICANT: AHUJA, SEEMA
APPLICANT: BONEWALD, LYNDA
TITLE OF INVENTION: CD40 LIGAND AND CD40 AGONIST COMPOSITIONS AND METHODS OF USE
FILE REFERENCE: 4003.001000
CURRENT APPLICATION NUMBER: US/09/645,926A
CURRENT FILING DATE: 2000-08-24
PRIOR APPLICATION NUMBER: 60/151,250
PRIOR FILING DATE: 1999-08-27
NUMBER OF SEQ ID NOS: 7
SOFTWARE: Patentin version 3.0
SEQ ID NO 7
LENGTH: 567
TYPE: PRT
ORGANISM: Homo sapiens
US-09-645-926A-7

RESULT 15
US-09-791-537-145945

; Sequence 145945, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Bionomix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMBE
; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: 261/210
; CURRENT APPLICATION NUMBER: US/09/791,537
; CURRENT FILING DATE: 2001-02-22
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 145945
; LENGTH: 567
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-791-537-145945

Query Match   99.1%; Score 2980.5; DB 21; Length 567;
Best Local Similarity   99.5%; Pred. No. 2.2e-215;
Matches 565; Conservative   0; Mismatches   2; Indels   1; Gaps   1;

Qy   1 MESSKKMDSPGALQTNPPLKLHTDRSAGTPVFVPEQGGYKEKFVKTVEDKYKCEKCHLVL 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1 MESSKKMDSPGALQTNPPLKLHTDRSAGTPVFVPEQGGYKEKFVKTVEDKYKCEKCHLVL 60

Qy   61 CSPKQTECGHRFCESCMAALLSSSSSPKCTACQESIVKDKVFKDNCCKREILALQIYCRNE 120
              |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   61 CSPKQTECGHRFCESCMAALLSSSSSPKCTACQESIVKDKVFKDNCCKREILALQIYCRNE 120

Qy   121 SRGCAEQLTLGHLLVHLKNDCHFEELPCVRPDCKEKVLRKDLRDHVEKACKYREATCSHC 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   121 SRGCAEQLMLGH-LVHLKNDCHFEELPCVRPDCKEKVLRKDLRDHVEKACKYREATCSHC 179